

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0785430051

Status:

Active

Description:

1.00mm (.039") Pitch DDR3 DIMM Socket, Vertical, Through Hole, with Beveled Metal Pins, Black Housing, Off-White Latches, 0.38µm (15µ") Gold(Au) Plating, 2.67mm(.105") Solderail, 240 Circuits, Lead free, Halogenfree

Documents:

Drawing (PDF)

Product Specification PS-78543-001 (PDF)

RoHS Certificate of Compliance (PDF)

General

Product Family

Series

Component Type

JEDEC Outline

Product Name

Memory Module Sockets

78543

Socket

MO-269

DDR3 DIMM

Physical

Circuits (Loaded)

Circuits (maximum)

Color - Resin

Durability (mating cycles max)

Entry Angle

Function Key

Keying to Mating Part

Material - Metal

Material - Plating Mating

Material - Plating Termination

Material - Resin

PC Tail Length (in)

PC Tail Length (mm)

PCB Locator

PCB Retention

PCB Thickness Recommended (in)

PCB Thickness Recommended (mm)

Packaging Type

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Pitch - Term. Interface (in)

Pitch - Term. Interface (mm)

Plating min: Mating (µin)

Plating min: Mating (µm)

Plating min: Termination (µin)

Plating min: Termination (µm)

Temperature Range - Operating

Termination Interface: Style

240

240

Black, Natural

25

Vertical

None

Yes

Copper Alloy

Gold

Tin

High Temperature Thermoplastic

0.105 In

2.67 mm

No

Yes

0.062 In

1.57 mm

Tray

0.039 In

1.00 mm

0.039 In

1.00 mm

15

0.38

100

2.54

-55°C to +85°C

Through Hole

Electrical

Current - Maximum per Contact

Voltage - Maximum

Voltage Key

1A

30V AC (RMS)/DC

Center

Material Info

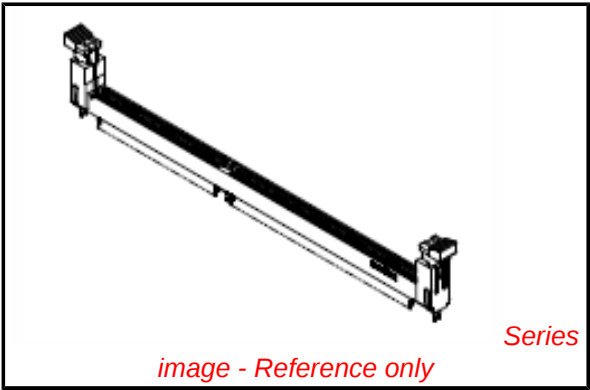
Reference - Drawing Numbers

Packaging Specification

Product Specification

PK-78543-001

PS-78543-001



EU RoHS

ELV and RoHS Compliant

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed



Need more information on product environmental compliance?

Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

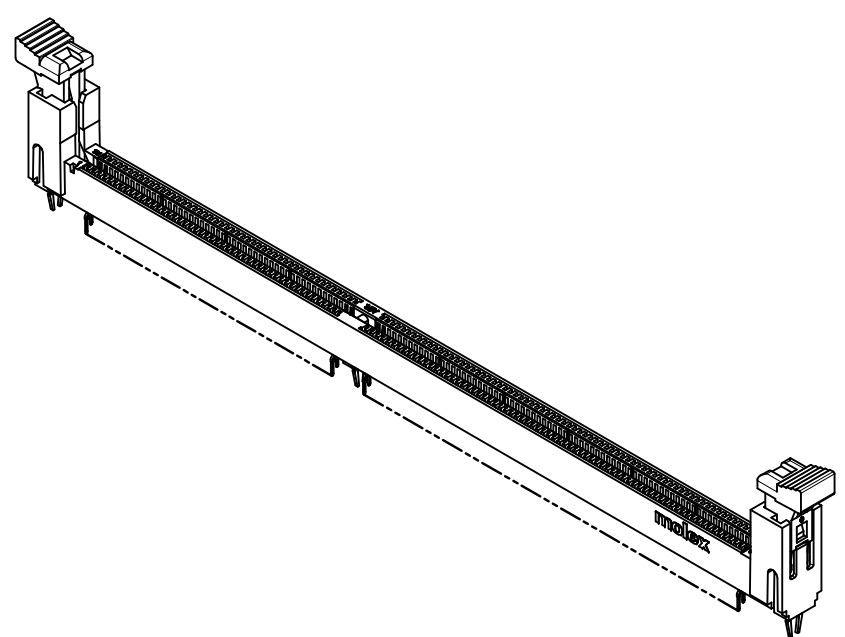
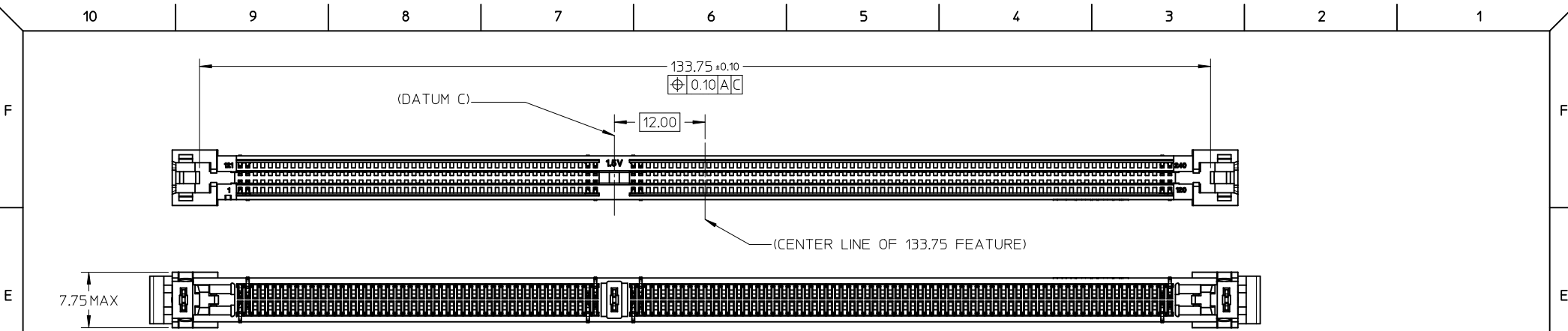
78543Series

Mates With

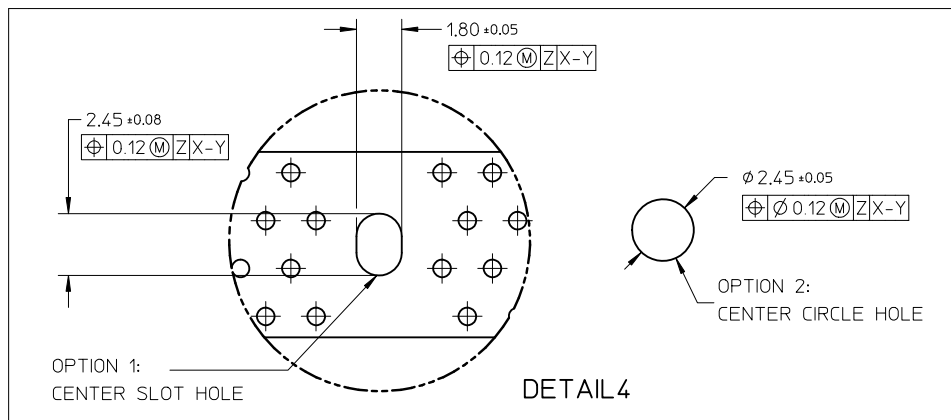
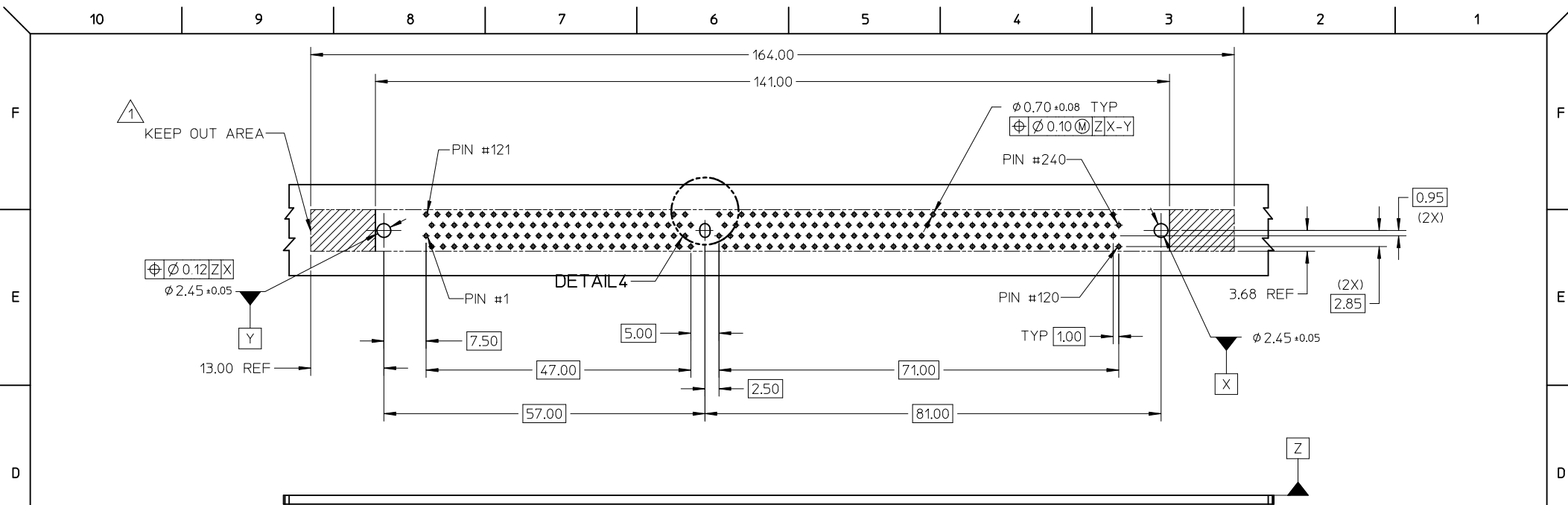
JEDEC standard 1.27mm modules

This document was generated on 05/17/2010

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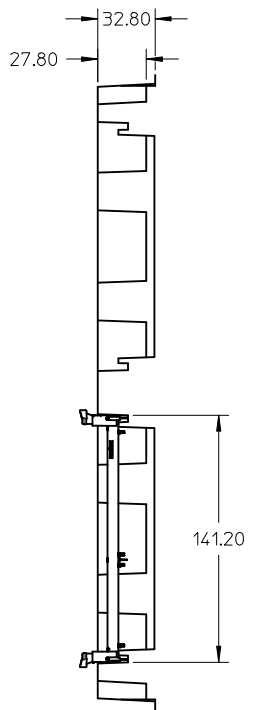
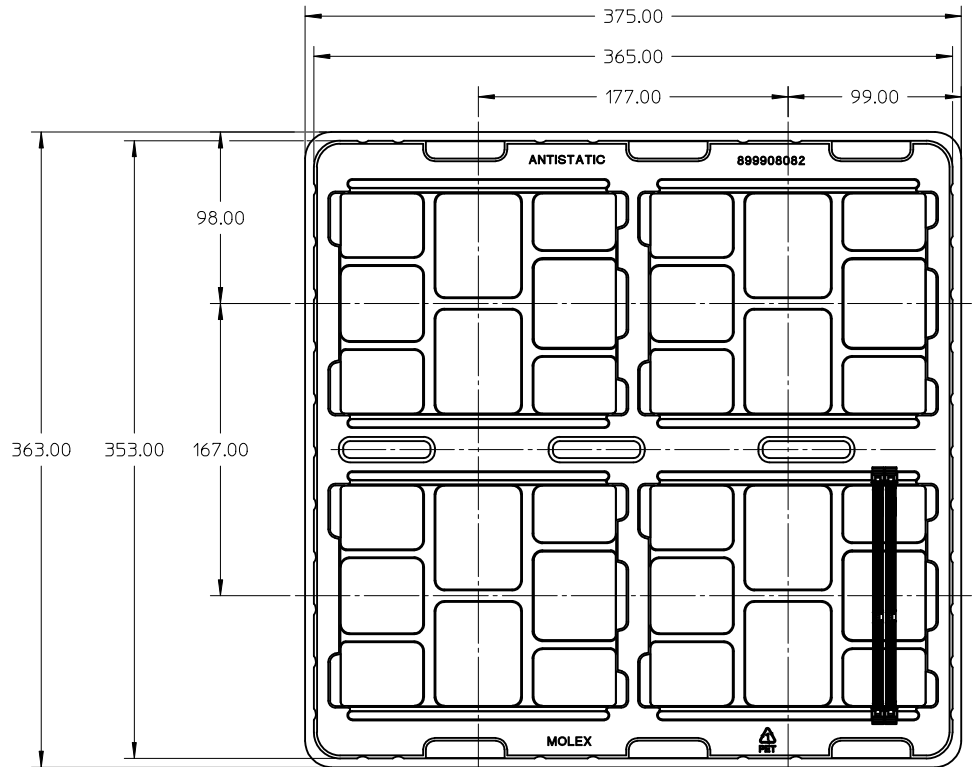


FORKLOCK UPDATED EC NO: S2010-0888 DRWN: JAKEEMEW CHKD: CTEH APPR: SHLENI		DESCRIPTION REV	QUALITY SYMBOLS 	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
					mm	INCH	DRAWN BY JAKEEMEW	DATE 2009/10/01	TITLE DDR3 DIMM, 1.00MM PITCH 240 CKTS, VERTICAL T/H				
				4 PLACES	± ---	± ---	CHECKED BY CGTAN	DATE 2009/11/12					
				3 PLACES	± ---	± ---	APPROVED BY SHLENI		DATE 2010/06/10	MOLEX INCORPORATED			
2 PLACES	± 0.2	± ---	MATERIAL NO. SEE TABLE		DOCUMENT NO. SD-78543-001	SHEET NO. 2 OF 7							
1 PLACE	± ---	± ---	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								



NOTE:
 1. KEEP OUT AREA IS THE AREA WHERE THE CONNECTOR (INCLUDING LATCH) IS MOUNTED ON THE PCB.

FORKLOCK UPDATED EC NO: S2010-0888 DRWN: JAKEEMW 2010/04/22 CHKD: CTEH 2010/06/10 APPR: SHLENI 2010/06/13	DESCRIPTION	QUALITY SYMBOLS 	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
				mm	INCH	DRAWN BY JAKEEMW	DATE 2009/10/01	TITLE DDR3 DIMM, 1.00MM PITCH 240 CKTS, VERTICAL T/H				
			4 PLACES	± ---	± ---	CHECKED BY	DATE					
			3 PLACES	± ---	± ---	CGTAN	2009/11/12					
			2 PLACES	± 0.2	± ---	APPROVED BY	DATE	MOLEX INCORPORATED				
			1 PLACE	± ---	± ---	SHLENI	2010/06/10					
ANGULAR ± 1 °			MATERIAL NO.		DOCUMENT NO.		SHEET NO.					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE TABLE		SD-78543-001				4 OF 7			
2	REV		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									



NOTES:
1. QTY OF CAVITY: 20 X 4 = 80 PCS

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			3 PLACES	± ---	± ---	CGTAN	2009/11/12	MOLEX INCORPORATED					
			2 PLACES	± 0.2	± ---	APPROVED BY	DATE						
			1 PLACE	± ---	± ---	SHLENI	2010/06/10	DOCUMENT NO. SD-78543-001					
			ANGULAR ± 1 °			MATERIAL NO.							SHEET NO. 5 OF 7
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE TABLE							
						SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

tb_frame_A3_P_AM_T
Rev. F 2009/06/18

10	9	8	7	6	5	4	3	2	1
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ASSEMBLY PART NO.	VOLTAGE KEY	HOUSING COLOR	LATCH COLOR	DIM 'P'	RECOMMENDED PCB THICKNESS	PLATING OPTION	PRODUCT SPECIFICATION	
78543-0151	CENTRE (1.5V)	NATURAL (OFFWHITE)	NATURAL (OFFWHITE)	2.67	1.57	0.38 MICROMETER/ 15 MICROINCH MIN. GOLD ON CONTACT	PS-78543-001	
78543-0153				3.00	2.18	2.54 MICROMETER/ 100 MICROINCH MIN. PURE TIN ON SOLDERTAILS		
78543-0152				3.18	2.36	1.27 MICROMETER/ 50 MICROINCH MIN. NICKEL UNDERPLATE		
78543-0161					2.67	1.57	0.76 MICROMETER/ 30 MICROINCH MIN. GOLD ON CONTACT	PS-78543-002
78543-0163				3.00	2.18	2.54 MICROMETER/ 100 MICROINCH MIN. PURE TIN ON SOLDERTAILS		
78543-0162				3.18	2.36	1.27 MICROMETER/ 50 MICROINCH MIN. NICKEL UNDERPLATE		
78543-0171					2.67	1.57	0.076 MICROMETER/ 3 MICROINCH MIN. GOLD ON CONTACT	PS-78543-003
78543-0173				3.00	2.18	2.54 MICROMETER/ 100 MICROINCH MIN. PURE TIN ON SOLDERTAILS		
78543-0172				3.18	2.36	1.27 MICROMETER/ 50 MICROINCH MIN. NICKEL UNDERPLATE		
78543-0181					2.67	1.57	0.51 MICROMETER/ 20 MICROINCH MIN. GOLD ON CONTACT	PS-78543-001
78543-0183					3.00	2.18	2.54 MICROMETER/ 100 MICROINCH MIN. PURE TIN ON SOLDERTAILS	
78543-0182					3.18	2.36	1.27 MICROMETER/ 50 MICROINCH MIN. NICKEL UNDERPLATE	

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			CHECKED BY DATE CGTAN 2009/11/12									
			APPROVED BY DATE SHLENI 2010/06/10			MOLEX MOLEX INCORPORATED						
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2				SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						